

*Colour*: dirty chocolate, apex greenish-white. Inside bluish-green, with an iridescent play of colours, except the outer lip which is green, and the columella which is white.

Sometimes entirely covered with short brown *Alga*.

*Hab.*—Waikanae.

*H. hamiltoni*, sp. nov.

Shell *perforate*; spiral granular ribs very fine.

*Colour*: white, or faint pinkish-white, with points of darker colour forming diagonal lines across the whorls. Apex white. Inside white.

*Hab.*—Wellington.

*Aplysia hamiltoni*, sp. nov.

Animal about 7 inches in length,  $2\frac{1}{2}$  inches high, and weighed 14 ozs.

*Colour*: umber-brown, with fine irregular dark markings; lighter below.

*Shell* ear-shaped, horny, firm, ribbed on left half, irregularly concentrically striated; epidermis bright straw colour, highly polished. Inside white, with a pearly lustre.

Length, 1.6 inch. Breadth, 1.45 inch.

*Hab.*—Napier. Two specimens received from Mr. A. Hamilton of Petane, Hawke's Bay.

---

ART. XLII.—*Description of new Cephalopoda.*

By T. W. KIRK, Assistant in the Colonial Museum.

[*Read before the Wellington Philosophical Society, 11th February, 1882.*]

Plate XXXVI.

*Sepiola*, Rondelet.

Body oval; mantle globose; its dorsal or hinder edge is connected in the middle with the head by a broad ligament: fins thin, small, placed behind the middle of the sides. Eyes partly covered by a cuticle or lid. Arms in unequal pairs. Shell small, bat-shaped.

*Sepiola pacifica*, sp. nov.

Body smooth, long bell-shaped. Fins moderate, front margins free. Tentacles vermiform, as long as head and body together; club thickly and irregularly studded with minute suckers. Sessile arms unequal, the ventral or lowest being the largest; all armed with suckers arranged in two alternating rows, and extending right to the tip of each arm. Head stout, eyes prominent.

*Colour*: *Above*, flesh-colour irregularly and profusely spotted and blotched with purple, the ground-colour of the head and anterior part of the body being almost hidden; spots becoming finer as they approach the posterior

end of the body. *Below*, pale flesh-colour, spotted as above, but spots much larger and further apart. The funnel, sides of sessile arms, and under surface of fins white. Tentacles white, with exception of a row of purple spots on the back of the club.

Total length 1·4 inch. Length of body 1 inch. Length of head ·4 inch.

*Hab.*—Wellington.

*Architeuthis*, Steenstrup.

Oplysninger om Atlanter, Colossale Blæksprutter, Förhandlingar Skand.

Natur., 1856, vii., p. 182, Christiana, 1857.

Size large; body stout, nearly round, swollen in the middle. Caudal fin very small, sagittate. Head large, short. Eyes very large, oblong-ovate, with well developed lids and anterior sinus. Sessile arms stout, their suckers large, very oblique, with the edges of the horny rings strongly serrate, especially on the outer margin. The margin has around it a free-edged membrane, which closely surrounds the denticles when the sucker is used, and allows a vacuum to be produced. Tentacular arms very long and slender in extension, the proximal part of the club furnished with an irregular group of small, smooth-rimmed suckers, intermingled with rounded tubercles on each arm, the suckers on one arm corresponding with the tubercles on the other, so that by them the two arms may be firmly attached together without injury, and used in concert; other similar suckers and tubercles, doubtless for the same use, are distantly scattered along the slender part of these arms, one sucker and one tubercle always occurring near together. The internal shell is thin and very broad, expanding from the anterior to the posterior end, with divergent ribs (Verrill).

*A. verrilli*, sp. nov. Fig. 1.

Body short, stout and nearly round, dilated in the middle.

Sessile arms unequal in size and length; the first, second and fourth pairs about same length as body and head together, third pair longer and stouter; all armed with similar suckers, but varying in number, the third pair carrying more than either of the others.

Tentacular arms, when extended, nearly three times the length of head and body.

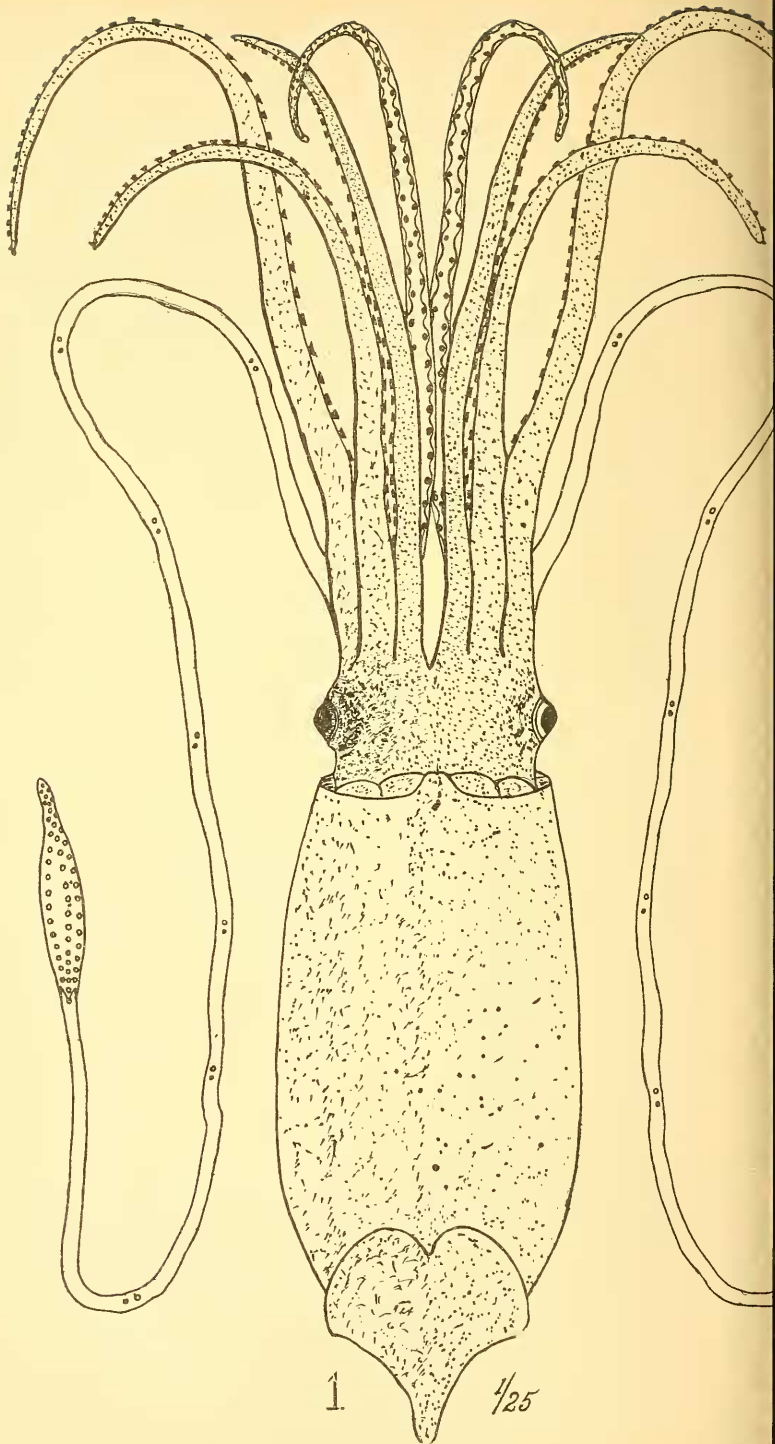
Caudal fin obcordate, small dorsal; from tip to front margin about one third the length of the body; terminating posteriorly in a blunt point.

Suckers stalked.

Length of body and head .. .. .	9 feet 1 in.
„ 1st, 2nd, and 4th sessile arms .. .. .	9 „ 0 „
„ 3rd sessile arm .. .. .	10 „ 5 „
Circumference of body .. .. .	9 „ 2 „

*Hab.*—Cook Strait.





*T.W.Kirk, del.*

*ARCHITEUTHIS VERRILLI, sp. nov., T.W.Kirk.*